



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JANUARY 14, 2004

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JACOBSON HOLMAN PLLC YOON S. HAM 400 SEVENTH STREET, N.W. WASHINGTON, D.C. 20004-2218

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RECORDATION DATE: 06/27/2003

REEL/FRAME: 014255/0029 NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEE, SUNG-KWON

DOC DATE: 06/27/2003

ASSIGNOR:

LEE, MIN-SUK

DOC DATE: 06/27/2003

ASSIGNEE:

HYNIX SEMICONDUCTOR INC. SAN 136-1, AMI-RI, BUBAL-EUP ICHON-SHI, KYOUNGKI-DO REPUBLIC

OF KOREA

SERIAL NUMBER: 10607052 :

FILING DATE: 06/27/2003

TENT NUMBER: ISSUE DATE:

014255/0029 PAGE 2

SAUNDRA BALLENGER, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

Alexandria, VA 22313

Director of United States Patent and Trademark Office Mail Stop Assignment Recordation Service

Form PTO-1595

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1.	UNITED ST	TATES OF AMERICA-	ASSIGNMENT	
(1-6) Insert Name(s) of Inventors		EE, SUNG-KWON		
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	in con to each of undersigned a	nsideration of the sum of one dolla the undersigned, the receipt ar agree(s) to assign, transfer and set	r (\$1.00), and other g nd sufficiency of whit over to	ood and valuable considerations p ch are hereby acknowledged, t
(7) Insert Name of assignee	(7) Hyn	ix Semiconductor Inc.		· · · · · · · · · · · · · · · · · · ·
	(8) of Si	an 136-1, Ami-ri, Bubal-	out Tabas at	T
(8) Insert Address of Assignee	Re	public of Korea	eub, Ichon-Bh	, Ayoungki-do 467-860,
(9) Insert Legal Entity and State	(9) a Co	rporation	of	Republic of Korea
or Country (e.g., a corporation or citizen of Japan)	(hereinaft	er designated as the Assignee) the e dependencies and possessions, in the		rest for the United States, its
	(10) METH	OD FOR FABRICATING SE	NATIONALICACIONAL 92	VICE CARABLE OF
(10) insert Identification of Invention, such as Title, Case Number or	RED	UCING SEAM GENERATIONS	S S	VICE CAPABLE OF
Foreign Application Number				
(11) Insert Date of Signing of Application, or filing date and Serial No., if known	Serial N	the undersigned has (have) executed filed on New Application with such application with such application so the section with such application so the	on June 27	2003 (and assigned
Assignee.  5) The undersigned agree(s) to Assignee.  5) The undersigned hereby aut United Status resulting from this appliant hereby covenants that he has (to applicable of the status	o execute all papers or Protection of India o perform all affirms horize(s) and reques loation or any contin hey have) full right	is end documents and perform any ustrial Property or similar agreement title acts which may be necessary in(s) the Commissioner of Patents a using or divisional applications there to convey the entire interest hereit	act which may be not at a control of the said Assigns to a said As	ecessary in connection with claims a valid United States patent to us any and all Letters Patents of 19, as Assignee of the entire Inter
power to insert on this assignment States Patent and Trademert Office s	nt(s) the law firm of any further identifica	f Jacobson, Price, Holman & Ste tion which may be necessary or s document. In the date(s) opposite the undersign	rn, 400 Seventh Stree destrable in order to	t, N.W., Weshington, D.C. 20004, comply with the rules of the Un
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Date June 27, 2003	Name of Inventor	LRE MIN-SUK		(SEAL
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Date	Name of Impostor	typed name		
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This assignment should domestically signed. If not, then the	d preferably be se execution by th	signed before a United State e inventor(s) should be witnesse	s Consul if signed and by at least two v	abroad, or a Notary public witnesses who sign here:
A additional inventor's names separate sheet	and signatures or	a Witness LEE, MYU NO	HEE tee, N	lyng the
		Witness LIM, HYE-YO	ONG I Tim H	No -10.00

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THE JENIFER BUILDING
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WASHINGTON, D.C. 20004



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CONFIRMATION NO. 4134

JACOBSON, PRICE, HOLMAN & STERN PROFESSIONAL LIMITED LIABILITY COMPANY 400 Seventh Street, N.W. Washington, DC 20004

FILING RECEIPT \*OC000000010875814\*

Date Mailed: 09/15/2003

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Hyeok Kano, Seoul, KOREA, REPUBLIC OF: Sung-Kwon Lee, Ichon-shi, KOREA, REPUBLIC OF: Min-Suk Lee, Ichon-shi, KOREA, REPUBLIC OF:

Domestic Priority data as claimed by applicant

#### Foreign Applications

REPUBLIC OF KOREA 2002-72240 11/20/2002 REPUBLIC OF KOREA 2002-37257 06/29/2002 REPUBLIC OF KOREA 2002-84097 12/26/2002

If Required, Foreign Filing License Granted: 09/09/2003

Projected Publication Date: 01/01/2004

Non-Publication Request: No

Early Publication Request: No

Title

Method for fabricating semiconductor device capable of reducing seam generations

Preliminary Class

438

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tor's certificate listed below and have also identified

No

Priority Claimed

MIDDLE NAME

STATE OR COUNTRY

SIGNATURE OF INVENTOR 2031

COUNTRY OF CITIZENSHIP

ZIP CODE

ATTORNEYS' DOCKET NO. P62950 USO

Pad

FOR APPLICATION BASED ON PCT, PARIS CON-HON PRIORITY; OR PROVISIONAL APPLICATIONS

which is described and claimed in:

( the attached specification

Prior Foreign Apolication(s)

2002-37257

FULL NAME OF INVENTOR

POST OFFICE

SIGNATURE OF INVENTOR 201"

June 27, 2003

203 RESIDENCE & FAMILY NAME

POST OFFICE ADDRESS

 Additional inventors are named on separately numbered sheets statched hereto. O JPHAS 1995 895; 3/97 (COPYING WITHOUT DELETIONS PERMITTED)

that such will'd false statements may jacquardize the validity of the application or any patent issuing therean

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As a below named inventor, I declare that my residence, post office address and citizensitip are stated below next to my name, there original, Gest and sole inventor (if only one name is kind or 201 below), a lists and joint inventorill others inventions one named of the subject matter which is cleamed and for which patent is cought on the invention emitted: METHOD FOR FARRICATING SEMICONDUCTOR DEVICE CAPABLE OF REDUCING SEAM GENERATIONS

PCT International Application No.

REPUBLIC OF KORKA

the specification in application Serial No. (# applicable) and amended on

I handy man that I have redirected out understand for the share-inflate specification, broading the claims, as ensemble by any amendment referred to above.

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REPUBLIC OF KOREA 26/12/2002 (Number) (Day/Month/Year Find) o (Number) (Country) (Day/Month/Year Filed) I hereby claim the benefit under Title SS, United States Cod, \$118(a) of any United States provisional application(s) Resed before Application No. I honory claim the benefit under Tige 35, United States Code, \$120 of any United States explication(s) faste below and, incoder as the subject nature as in a colored in the prior United States explication in the marrier provided by the first paragraph of Tige 35, United States Code, \$112, i school in interest to percentably as offended in Title 57, Code of Federial Registeries \$150 which became writing becomes the State of the point of the State States of States States States of States St atter of each of the claims of this app acknowledge the duty to disclose into the prior application and the national of international filing date of this application: (Application Safat No.) (Status: patented, pending, abandoned) POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys[Registration No.) to prosecute this application, receive and act on instructors from my agent, and transact all business in the Patent and Trademark Office connected merewith, HARVEY 8 JACOSSON, JR.(20,851); DOUGLAS PRICE (28,516); DOHN CLAYRE, HOLMAN (22,769), MARVIN R. STERN (28,621); MICHAEL R. SLOBASKY (26,421); JONATHAN L. SCHERER (29,851); RIWIN M. AISENBERG (19,007); WILLIAM E. PLAYER (31,409); and YOON S. HAM (45,307) SEND CORRESPONDENCE TO: DIRECT TELEPHONE CALLS TO: (202) 638-8666 JACOBSON, PRICE, HOLMAN & STERN PROFESSIONAL LIMITED LIABILITY COMPANY 400 Seventh Street, N.W. Washington, D.C. 20004 JACOBSON, PRICE, HOLMAN & STERN PROFESSIONAL LIMITED LIABILITY COMPANY \* Inventor(s) name must include at least one unabbreviated first or middle name. OF INVENTOR FAMILY NAME GIVEN NAME MIDDLE NAME SUNG-KWON AESTOENCE & STATE OR FOREIGN COUNTRY Kyoungki-do COUNTRY OF CITIZENSHIP Republic of Korea Ichon-shi POST OFFICE ADDRESS San 136-1, Ami-ri, Bubal-eub POST OFFICE ADDRESS STATE OR COUNTRY ZIP CODE 457-860 Ichon-shi Kyoungki-do, Korea OF INVENTOR FAMILY NAME MIDDLE NAME MIN-SUR Civ Ichon-shi RESIDENCE A CITIZENSHIP STATE OR FOREIGN COUNTRY COUNTRY OF CITIZENSHIP Kyoungki-do Republic of Korea POST OFFICE ADDRESS San 136-1, Ami-ri, Bubal-eub POST OFFICE ADDRESS STATE OR COUNTRY STATE OR COUNTRY ZIP CODE Kyoungki-do, Korea 467-860 Ichon-shi

SIGNATURE OF INVENTOR 202

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2003 June 27,

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LEE, SUNG-KWON	Name:	Hynix Semiconductor Inc.	
LEE, MIN-SUK	Street Address:	San 136-1, Ami-ri, Bubai-eup	
•	Street Address:		
	City:	ichon-shi, Kyoungki-do	
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Merger Merger	Execution Date:	06272003	
Application Number(s) or Patent Number(s):			<del>.</del>
Assignment is being filed together with new appl	ication and the first ex	recution date of application is	06272003
Application has been filed already and the applic		tocation date of application is .	
A. Patent Application Number(s):	B. Issued Patent Nur	nher(e):	
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Yoon S. Ham/45,307	Contact In	June 27,	2003
Name of Person Signing, Reg. No.	Signature		Date
•		ting cover sheet, attachments, and do	cuments: -2-

	UNITED STATES OF AMERI	
(1-6) Insert Name(s) of Inventors	(1) LEE, SUNG-KWON	
	(2) LEE, MIN-SUK ·	
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	In consideration of the sum of on to each of the undersigned, the rece undersigned agree(s) to assign, transfer a	e dollar (\$1.00), and other good and valuable considerations paid alph and sufficiency of which are hereby acknowledged, the nd set over to
(7) Insert Name of assignee	(7) Hynix Semiconductor 1	Inc.
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(8) Insert Address of Assignee	Republic of Korea	ibal-eub, Ichon-shi, Kyoungki-do 467-860,
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or citizen of Japan)	territories, dependencies and possession	the entire right, title and interest for the United States, its in the invention known as
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such as Title, Case Number Foreign Application Number	or REDUCING SEAM GENERA	
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JANUARY 15, 2004

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\*102498136A\*

JACOBSON HOLMAN PLLC

400 SEVENTH STREET N.W. SUITE 600 WASHINGTON, DC 20004

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RECORDATION DATE: 06/27/2003

REEL/FRAME: 014258/0429 NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

KANG, HYEOK

DOC DATE: 05/15/2003

ASSIGNEE:

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SERIAL NUMBER: 10607052

PATENT NUMBER:

FILING DATE: 06/27/2003 ISSUE DATE: 014258/0429 PAGE 2

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